TUSI HAYTHAM BIO LIMITED
Chemistry for a Greener Planet

Technical Data Sheet

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CLEANTHRA™ Series – CLEANTHRA PEA

Polyester Wash-Off / Reducing Clearing Agent – Acid Medium
Manufacturer: Tusi Haytham Bio Limited

Product Description:

CLEANTHRA PEA is a specialized reduction clearing agent designed for polyester fabrics.
It efficiently removes unfixed disperse dyes, residual chemicals, and surface impurities in acidic conditions, enhancing fabric brightness, uniformity, and hand feel.
Ideal for post-dyeing wash-off of polyester and polyester blends to achieve clear shades and high-quality finish.

Key Performance Properties:

- **Effectively removes unfixed disperse dyes from polyester.**
- **Reduces surface impurities and residual chemicals without damaging fabric.**
- **Improves fabric brightness, shade uniformity, and hand feel.**
- **Compatible with acidic wash-off processes and common textile auxiliaries.**
- **Reduces chemical consumption and minimizes environmental impact.**

Typical Properties:

Property	Specification
Appearance	Clear to pale yellow liquid
pH (25 °C)	4.0 – 6.0
Ionic Nature	Anionic / Nonionic blend
Solubility	Fully soluble in water
Stability	Stable under acidic wash-off conditions for polyester
Specific Gravity (25 °C)	1.01 ± 0.02

Application:

- **Add CLEANTHRA PEA to the acidic polyester wash-off bath after dyeing.**
- **Typical dosage: 0.5 – 2.0 % owf, depending on fabric type, dye type, and shade depth.**
- **Operate at 95–130 °C under high-temperature HT dyeing wash-off conditions for 20–40 minutes.**
- **Stir well to ensure uniform action and complete removal of unfixed dyes.**
- **Rinse thoroughly after treatment to remove residual chemicals.**
- **Compatible with other polyester auxiliaries and dispersing agents.**

Precautions:

- **Avoid contact with eyes and skin; wear protective gloves and goggles.**
- **Do not mix with strong alkalis or incompatible chemicals in concentrated form.**
- **Store in tightly sealed containers in a cool, dry place.**

Packing Size:

Available in 25 kg, 60 kg, and 120 kg HDPE drums.

Storage:

- **Store in a cool, dry, ventilated area below 40 °C.**
- **Shelf life: 12 months from the date of manufacture in unopened containers.**
- **Check product label for “Best use before end” date.**

Issued by:

Tusi Haytham Bio Limited – Technical Division
Product: CLEANTHRA™ Series – CLEANTHRA PEA
Category: Polyester Reducing / Wash-Off Agent – Acid Medium